

how to open git bash ya window terminal bash

Yaar simple scene hai 😊 Windows pe **Git Bash** ya **Bash/Terminal** open karne ke **sab common tareeqe** bata deta hoon. Jo easy lage use kar lena 🙌

✅ Method 1: Git Bash (Desktop se)

1. Desktop par jao
2. Right-click karo
3. Select "Open Git Bash Here"

🙌 Ye tab kaam karta hai jab Git pehle se installed ho.

✅ Method 2: Start Menu se

1. Windows key dabao
 2. Type karo: **Git Bash**
 3. Enter press karo
-

✅ Method 3: Folder ke andar Git Bash

1. Jis folder me kaam karna hai us folder me jao
2. Right-click → Open Git Bash Here

🙌 Project folder ke liye best tareeqa.

✅ Method 4: Windows Terminal (Bash / Git Bash)

Agar **Windows Terminal** installed hai:

1. Windows key → search **Windows Terminal**
2. Open karo
3. Upar v (dropdown arrow) pe click

4. Select Git Bash

- Agar nahi dikh raha:
 - Terminal → **Settings**
 - Add new profile → **Git Bash**

Method 5: CMD / PowerShell se Bash

Agar Git install hai:

```
bash
```

```
bash
```

 Copy code

ya

```
bash
```

```
git bash
```

 Copy code

Git Bash Installed nahi?

Check karne ke liye:

```
bash
```

```
git --version
```

 Copy code

Agar error aaye → Git install nahi.

 Download:

- <https://git-scm.com/downloads> ↗

Quick Recommendation

- Project folder ke liye → Right click → *Open Git Bash Here*
- General use → Start Menu → *Git Bash*

Agar tum chaho to batao:

- tum React / Node project ke liye use kar rahe ho?
- Git already installed hai ya nahi?

Phir main usi hisaab se next step guide karwa deta hoon, Yaar 🤔😊



```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Think Pad> git bash
git : The term 'git' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the
spelling of the name, or if a path was included, verify that the path is correct and try again.
git line:1 char:1
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (git:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\Think Pad>
```

Acha, screenshot se bilkul clear ho gaya 🤔

Issue simple hai:

👉 Git install hi nahi hai (ya install hai but PATH me add nahi hua), is liye PowerShell git command ko pehchan nahi raha.

Error ka matlab:

git : The term 'git' is not recognized

✅ Solution (Step-by-Step) — 100% Working

🔹 Step 1: Git Download karo

1. Browser open karo

2. Ye link open karo:

👉 <https://git-scm.com/downloads> ➤

3. Windows wala download button click karo

◆ Step 2: Git Install karo (IMPORTANT SETTINGS)

Installer open hone ke baad ye cheezein zaroor check karna:

1. Next → Next

2. Jab ye option aaye 👉

“Adjusting your PATH environment”

✓ Select this (VERY IMPORTANT):

👉 “Git from the command line and also from 3rd-party software”

3. Baqi sab default rehne do → Next → Install

⊖ Agar ye option miss ho gaya, phir wahi error aata hai jo tumhe aa raha hai.

◆ Step 3: System Restart (Zaroori)

- PC restart karo (skip mat karna)
-

✓ Step 4: Verify Git Installed hai ya nahi

Restart ke baad:

PowerShell / CMD me likho:

```
bash
```

```
git --version
```

📋 Copy code

✓ Agar output aaye jese:

```
nginx
```

```
git version 2.xx.x
```

📋 Copy code

👉 Matlab Git sahi install ho gaya 🎉

✅ Step 5: Git Bash Open karo

Ab 3 tareeqe kaam karein ge:

◆ Method 1 (Best)

- Desktop / Folder me **Right Click**
- **Open Git Bash Here**

◆ Method 2

- **Windows key**
- Search: **Git Bash**
- Open

◆ Method 3 (PowerShell se)

```
bash
```

```
bash
```

 Copy code

🔥 Extra Tip (Tumhare Project ke liye)

React / Node / AWS ke kaam me:

- **Git Bash use karo** (npm, ssh, linux commands easy hoti hain)
- PowerShell bhi chal jata hai, lekin Git Bash zyada smooth hota hai

Ab batao:

- Git install kar liya?
- `git --version` ka output kya aa raha?

Uske baad main tumhe **project folder se proper Git Bash workflow** bhi sikha deta hoon, yaara 🤝 😊

     ...

meri learner lab ko to masla nhi ho ga na restart krne se

Short answer: Nahi yaara, bilkul masla nahi hoga 😊

Restart se **Learner Lab** ka kuch bhi kharab nahi hota. Thora detail samajh lo, tasalli ho jaayegi 🙌

🔒 **Learner Lab + Restart — Reality Check**

✅ **KYA SAFE HAI**

- PC / Laptop restart → ✅ 100% safe
- Browser band ho jana → ✅ safe
- Git install / PATH change → ✅ safe

❌ **KYA AFFECT NAHI HOTA**

- Learner Lab ka **AWS account**
- Tumhari **EC2, IAM, S3, etc.**
- Lab ka **remaining time**
- Cloud wali cheezein (wo AWS side pe hoti hain, tumhare PC pe nahi)

🙌 **Learner Lab cloud pe chalta hai**, tumhara system sirf browser hai.

⚠️ **Sirf ek cheez yaad rakhna**

Restart se pehle:

- Agar **AWS Console open hai** → koi masla nahi
- Agar **lab active hai** → restart ke baad dobara login kar loge

Worst case:

- Thora sa **logout** ho jao ge
🙌 **Dobara login** → lab wapas same state me

🔥 Pro Tip (Exam / Viva wali feeling ke liye 😊)

Restart ke baad:

1. Browser open
2. Learner Lab login
3. AWS Console open
4. Sab services waisi hi milengi

✅ Final Verdict

- Restart karo, tension bilkul nahi
- Git install ke liye restart zaroori hai
- Learner Lab bilkul safe

Jab restart ke baad `git --version` chal jaaye,

to bolo **"ho gaya"**

phir hum **EstateCore** project ko **AWS** pe **step-by-step** deploy karna shuru kar dete hain, yaara 🚀



```
Think Pad@DESKTOP-40GEM3H MINGW64 ~/Desktop
$ cd desktop
bash: cd: desktop: No such file or directory

Think Pad@DESKTOP-40GEM3H MINGW64 ~/Desktop
$ cd Desktop
bash: cd: Desktop: No such file or directory

Think Pad@DESKTOP-40GEM3H MINGW64 ~/Desktop
$ |
```

Perfect 👍 screenshot ne bilkul clear kar diya masla.

Git Bash bilkul theek chal raha hai, bas path ka chakkar hai — tension zero 😊

❌ Masla kya hai?

Tum already Desktop par ho 📁

Prompt dekho:

```
nginx
```

```
MINGW64 ~/Desktop
```

📄 Copy code

```
~ = C:/Users/Think Pad
```

```
~/Desktop = C:/Users/Think Pad/Desktop
```

📁 Is liye jab tum likhte ho:

```
bash
```

```
cd desktop
```

📄 Copy code

ya

```
bash
```

```
cd Desktop
```

📄 Copy code

to error aata hai, kyun ke tum already Desktop ke andar ho.

✅ Verify kar lo (Proof)

Ye command chalao:

```
bash
```

```
pwd
```

📄 Copy code

Output kuch aisa aaye ga:

swift

/c/Users/Think Pad/Desktop

 Copy code

Ab kya karna hai?

1. Desktop ki files dekhni hain?

bash

ls

 Copy code

2. Desktop se bahar jana hai?

bash

cd ..

 Copy code

Ab tum:

bash

/c/Users/Think Pad

 Copy code

me ho jao ge

Phir dobara:

bash

cd Desktop

 Copy code

3. Direct Desktop jana ho (kahin se bhi)?

bash

```
cd ~/Desktop
```

◆ 4. Apne project folder me jana (example)

Agar Desktop par folder hai **estatecore**:

```
bash
```

```
cd ~/Desktop/estatecore
```

 Copy code

🔥 Pro Tip (Yaad rakhne wali baat)

- Linux/Git Bash case-sensitive hota hai
- Desktop ≠ desktop
- pwd = tum kaha ho
- ls = yahan kya kya hai

✅ Final Check

Tumhara Git Bash:

- ✅ Installed
- ✅ Working
- ✅ Path sahi

Ab bilkul ready ho 🔥

👉 Ab next batao:

- Project ka folder ka naam kya hai?
- Frontend + backend ek folder me hain ya alag?

Phir hum **AWS deployment** ka kaam full speed me start kar dete hain, yaara 🚀

     ...

```
import express from "express";
import dotenv from "dotenv";
import cookieParser from "cookie-parser";
import cors from "cors";

import { userRoute } from "./routes/userRoute.js";
import { residencyRoute } from
"./routes/residencyRoute.js";
import bookingRoute from "./routes/bookingRoutes.js";

dotenv.config();

const app = express();
const PORT = process.env.PORT || 5000;

// middlewares
app.use(express.json());
app.use(cookieParser());
app.use(cors());

// routes
app.use("/api/user", userRoute);
app.use("/api/residency", residencyRoute);
app.use("/api/bookings", bookingRoute);

// test route
app.get("/", (req, res) => {
  res.send("API is running");
});

// start server
app.listen(PORT, () => {
  console.log(Server is running on port ${PORT});
}); kya ye har jagha 5000 port hee hai naa
```

Short answer: **haan yaara, har jagah 5000 hi hota hai — *jab tak tum change na karo*** 😊

Ab thora clearly samjho, kyun ke ye AWS / deployment me bohot kaam aata hai 🙌

🔍 Tumhare code ka matlab (line by line)

js

```
const PORT = process.env.PORT || 5000;
```

📄 Copy code

Iska matlab:

1. Agar environment variable `PORT` set ho

🙌 server usi port pe chalega

2. Agar `PORT` set nahi hai

🙌 server 5000 pe chalega (default)

🟢 Local Machine (Tumhara PC)

Aksar hota kya hai:

- `.env` file me `PORT` defined nahi hota
- Is liye server 5000 pe start hota hai

Console me dekho:

pgsql

```
Server is running on port 5000
```

📄 Copy code

✅ Local ke liye bilkul theek

🟡 Production / Cloud (AWS, Render, Railway, etc.)

Yahan 5000 hard-code nahi hota:

- AWS / Cloud platform khud `PORT` assign karta hai
- Wo `process.env.PORT` me aa jata hai
- Tumhara code already sahi likha hua hai 🙌

👉 Isi liye ye line **best practice** hai.

❌ Galat kya hota?

Agar koi aise likh de:

```
js
```

```
const PORT = 5000;
```

📋 Copy code

🚫 Phir AWS pe server start hi nahi hota (common mistake)

🔥 Frontend ko kaunsa port chahiye?

- Backend → 5000
- React (Vite) → 5173 (ya 3000)
- Frontend API call:

```
js
```

```
http://localhost:5000/api/user
```

📋 Copy code

✅ Final Verdict

- ✅ Local pe → 5000
 - ✅ AWS / Cloud pe → jo PORT env mile
 - ✅ Tumhara code → 100% correct
-

Agar chaho, next step me main ye bhi clear karwa doon:

- AWS EC2 me kaunsa port open karna hai (Security Group)
- React + backend connection ka flow
- CORS issue avoid kaise karein

Bas bolo, yaara 🔥



```
app.listen(PORT, "0.0.0.0", () => {
  console.log(Server is running on port ${PORT});
}); kya ye line hai iss pooere index.js me import express
from "express";
import dotenv from "dotenv";
import cookieParser from "cookie-parser";
import cors from "cors";

import { userRoute } from "./routes/userRoute.js";
import { residencyRoute } from
"./routes/residencyRoute.js";
import bookingRoute from "./routes/bookingRoutes.js";

dotenv.config();

const app = express();
const PORT = process.env.PORT || 5000;

// middlewares
app.use(express.json());
app.use(cookieParser());
app.use(cors());

// routes
app.use("/api/user", userRoute);
app.use("/api/residency", residencyRoute);
app.use("/api/bookings", bookingRoute);

// test route
app.get("/", (req, res) => {
  res.send("API is running");
});

// start server
app.listen(PORT, () => {
```

```
console.log(Server is running on port ${PORT});  
});
```

Haan yaara 👍 bilkul wahi line hoti hai, bas AWS / EC2 ke liye thori si modification chahiye.

Clear, seedhi baat karta hoon 🙌

◆ Tumhara current code (Local ke liye OK)

js

```
app.listen(PORT, () => {  
  console.log(`Server is running on port ${PORT}`);  
});
```

📋 Copy code

✓ Ye **local machine** pe bilkul theek chalta hai

✓ Laptop / localhost pe koi issue nahi

◆ AWS / EC2 / Cloud ke liye (Recommended)

Cloud pe server ko **bahar se accessible** banana hota hai, is liye ye line better hoti hai:

js

```
app.listen(PORT, "0.0.0.0", () => {  
  console.log(`Server is running on port ${PORT}`);  
});
```

📋 Copy code

🧠 Difference kya hai?

- "0.0.0.0" = all network interfaces
- Matlab:
 - localhost se bhi chale
 - public IP / domain se bhi access ho

? Kya ye poora index.js me replace hoti hai?

YES 

Sirf last part replace hota hai — baqi poora file same rehta hai.

Final Correct index.js (AWS-ready)

js

```
import express from "express";
import dotenv from "dotenv";
import cookieParser from "cookie-parser";
import cors from "cors";

import { userRoute } from "./routes/userRoute.js";
import { residencyRoute } from "./routes/residencyRoute.js";
import bookingRoute from "./routes/bookingRoutes.js";

dotenv.config();

const app = express();
const PORT = process.env.PORT || 5000;

// middlewares
app.use(express.json());
app.use(cookieParser());
app.use(cors());

// routes
app.use("/api/user", userRoute);
app.use("/api/residency", residencyRoute);
app.use("/api/bookings", bookingRoute);

// test route
app.get("/", (req, res) => {
  res.send("API is running");
});

// start server (AWS / EC2 friendly)
```



```
app.listen(PORT, "0.0.0.0", () => {  
  console.log(`Server is running on port ${PORT}`);  
});
```

🔥 Important Reminder (AWS ke liye)

Ye line tab kaam karegi jab:

1. EC2 Security Group me port 5000 open ho

2. Inbound rule:

- Type: Custom TCP
- Port: 5000
- Source: 0.0.0.0/0

📄 Copy code

✅ Bottom line

- ✅ Local → dono chal jati hain
- ✅ AWS / Cloud → "0.0.0.0" zaroori hai
- ✅ Tumhara logic bilkul sahi hai

Agar chaho, next me:

👉 EC2 security group step-by-step

👉 Public IP se API test (browser / Postman)

👉 React frontend ko EC2 backend se connect

Bas bolo, yaara 🚀

📄 👍 💬 ↗️ ↺️ ...

full index.js update de copy paste wala

Done yaara 👍

Ye lo full index.js — AWS / EC2 ready, seedha copy-paste 🔥

(Express + Mongo routes + 0.0.0.0 binding)

js

```
import express from "express";
import dotenv from "dotenv";
import cookieParser from "cookie-parser";
import cors from "cors";

import { userRoute } from "./routes/userRoute.js";
import { residencyRoute } from "./routes/residencyRoute.js";
import bookingRoute from "./routes/bookingRoutes.js";

dotenv.config();

const app = express();
const PORT = process.env.PORT || 5000;

// ===== MIDDLEWARES =====
app.use(express.json());
app.use(cookieParser());
app.use(
  cors({
    origin: "*", // production me specific frontend URL rakhna
    credentials: true,
  })
);

// ===== ROUTES =====
app.use("/api/user", userRoute);
app.use("/api/residency", residencyRoute);
app.use("/api/bookings", bookingRoute);

// ===== TEST ROUTE =====
app.get("/", (req, res) => {
  res.send("API is running");
});

// ===== START SERVER =====
app.listen(PORT, "0.0.0.0", () => {
  console.log(`Server is running on port ${PORT}`);
});
```

Notes (important):

- "0.0.0.0" ⇒ EC2 / cloud se public access ke liye zaroori
- Local pe bhi bilkul theek chalega
- AWS Security Group me **port 5000** open hona chahiye

Agar chaho next:

- EC2 Security Group exact rules
- Public IP se API test
- React frontend ko is backend se connect

 Copy code

Bol do, yaara 🚀



how to search for word in vs code

Easy scene hai, yaara 😊

VS Code me word search karne ke sab tareeqe short + clear bata deta hoon 🙌

1 Current File me Search

👉 Ek file ke andar word dhoondna

Shortcut:

r

 Copy code

Ctrl + F

- Search box khul jaayega
- Word type karo
- Enter → next match
- Shift + Enter → previous match

2 Poore Project me Search (MOST USED)

👉 Saari files me word dhoondna

Shortcut:

```
r
```

[Copy code](#)

Ctrl + Shift + F

- Left side search panel khul jaata hai
- Word type karo
- Saari files me results dikh jaate hain

🔥 React / Node project me ye bohot kaam aata hai

🧠 3 Case Sensitive / Whole Word / Regex

Search box me ye icons milte hain:

- Aa → Case sensitive
- ab| → Whole word only
- *. ** → Regex search

Example:

- PORT ≠ port (case sensitive on ho to)

🔄 4 Replace Word

Current file:

```
powershell
```

[Copy code](#)

Ctrl + H

Whole project:

```
powershell
```


[Copy code](#)

Ctrl + Shift + H

- Search word

- Replace word
- Replace / Replace All

5 Quick Symbol / Function Search

 Function, variable, component jump

mathematica

 Copy code

Ctrl + Shift + O

Pro Tips (Developer wali cheezein)

- File open + search:

css

 Copy code

Ctrl + P

- Cursor pe jo word hai usko select karke:

r

 Copy code

Ctrl + F

→ auto-fill ho jaata hai

Tumhare case ke liye

Agar tum dhoond rahe ho:

- PORT
- app.listen
- bookingRoute
- localhost

 **Ctrl + Shift + F** best hai

Agar chaho to batao:

- kis word ka masla aa raha hai?
- frontend ya backend?

Main seedha ussi jagah le jaata hoon, yaara 🔥

